

## S E R V I C E N O T E

SUPERSEDES: 8563E-10B

**8563E Portable Spectrum Analyzer**

Serial Numbers: See Below

**Possible Frequency Response Drift****Duplicate Service Notes:**

8562E-14C	Serials 0000A00000/3943A01295
8562EC-02	Serials 0000A00000/3946A00173
8563E-10C	Serials 0000A00000/3943A11214
8563EC-02	Serials 0000A00000/3946A00252
8564E-04C	Serials 0000A00000/3943A01793
8564EC-02	Serials 0000A00000/3946A00177
8565E-04C	Serials 0000A00000/3943A01383
8565EC-02	Serials 0000A00000/3946A00146

**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

5086-6981	RYTHM Microcircuit (8562E/EC)
5086-6884	RYTHM Microcircuit (8563E/EC)
5086-6930	Tower Assembly (8564E/EC)
5086-6883	Tower Assembly (8565E/EC)

*Continued*

DATE: June 2000

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
<b>MODIFICATION RECOMMENDED</b>					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 1.5 Hours		
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL:		
AUTHOR: GPB	ENTITY: 5330	ADDITIONAL INFORMATION:			

**Situation:**

Earlier versions of the RYTHM (Routing YIG Harmonic Tuned Mixer) can exhibit a drift mechanism in the preselector. This, in turn, can cause the frequency response to drift out of tolerance in the 6.5 GHz to 26.5 GHz range. Faulty RYTHMs and Towers will prevent proper readjustment of the flatness in this range.

**Solution / Action:**

In 8562E/EC, and 8563E/ECs, replace the A10 RYTHM microcircuit. In 8564E/EC, and 8565E/ECs, replace the A10/A11 Tower assembly.

Note that the warranty terms of this service note only apply to instruments whose frequency response has drifted out of tolerance in the 6.5 GHz-to-26.5 GHz range, and whose flatness adjustment cannot be successfully performed.